

Release Date 12-31-67

CONFIDENTIAL

P-W

COUNTY Apache AREA 6 mi E. of Navajo LEASE NO. Santa Fe Fee 9650

Reg. 8-1-68 reports filed by Arizona Helium Corp.
WELL NAME APACHE DRILLING #1 SANTA FE-CREST

LOCATION SE NW SEC 25 TWP 20N RANGE 27E FOOTAGE 1650' FNL 1650' FWL
ELEV 5781 Welex STATUS P&A TOTAL
ELEV 5786' GR KB SPUD DATE 6-5-66 COMP. DATE 9-13-68 DEPTH 1306'
5802' GR from USGS $7\frac{1}{2}'$ quad per JNC 1250' PBTD
CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
7"	84'	20 Sks	NA	<input checked="" type="checkbox"/>
4 1/2"	1250'	100 Sks		<input type="checkbox"/>
				DRILLED BY CABLE TOOL <input type="checkbox"/>
				PRODUCTIVE RESERVOIR <input type="checkbox"/>
				INITIAL PRODUCTION <u>P&A</u> (did not reach Coconino)

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Surface Sands	0'		x	
Chile	280'			
Shinarump	1188'			
Moenkopi	1234'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Gamma Collar	1193-1203		SAMPLE DESCRP
Density	1220-1230 squeezed		SAMPLE NO. <u>1458</u>
			CORE ANALYSIS
			DSTs

REMARKS Designation of Operator dated 3-1-66 from Crest Oil Company to Apache Drilling Co., Inc. Temp. Aband to 2-28-67. Arizona Helium Corporation is successor operator thru merger of Apache Drilling Company into Arizona Helium Corporation.

APP. TO PLUG ☒
PLUGGING REP. ☒
COMP. REPORT ☒

WATER WELL ACCEPTED BY

BOND CO. U. S. Fidelity & Guaranty BOND NO. 22651-13-955-65
BOND AMT. \$ 25,000 CANCELLED 8-5-71 DATE
FILING RECEIPT 9451 LOC. PLAT ☒ WELL BOOK ☒ PLAT BOOK ☒
API NO. DATE ISSUED 5-23-66 DEDICATION E/2 NW/4

PERMIT NUMBER 353

CONFIDENTIAL

Release Date 12-13-67

(over)

353
ARIZONA
APACHE CO.
PINTA DOME (D)



Petroleum Information Corp.
Denver, Colorado
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Twp 20n-27e
Section 25
se nw
1680 s/n 1650 e/w

OPR: Apache Drilling

WELL #: 1 Santa Fe-Crest

ELEV:

DSTS. & CORES:

SPUD:

COMPL:

TOPS: Log-Sample

TD: 1300

PB:

CSG: 4½" @ 1290

PERF: Tested Chinle w/show gas & wtr.

1250 Shinarump test.

PROD. ZONE:

INIT. PROD: Temp abandoned.

Contr:

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ1-669211

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input checked="" type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Dry <input checked="" type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator Arizona Helium Corporation				Address 3500 Central Box 14427 Phoenix, Arizona Suite 218					
Federal, State or Indian Lease Number or name of lessor if fee lease Santa Fe Pacific Railway Company				Well Number 1		Field & Reservoir Un-named			
Location 1650' FNL - 1650' FWL				County Apache					
Sec. TWP-Range or Block & Survey Sec 25. T20N R27E									
Date spudded 6-5-66		Date total depth reached 6-11-66		Date completed, ready to produce not producing		Elevation (DF, RKB, RT or Gr.) feet 5793		Elevation of casing hd. ft. 5793	
Total depth 1306		P.B.T.D. 1250		Single, dual or triple completion? not completed		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion not producing				Rotary tools used (Interval) 0 1306		Cable tools used (Interval) ---			
Was this well directionally drilled? no		Was directional survey made? no		Was copy of directional survey filed? ---		Date filed ---			
Type of electrical or other logs run (check logs filed with the commission) Welek Density & Gamma Ray logs						Date filed 9-19-68			
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
surf.	8 3/4"	7"	17	84'	20	none			
pred.	6 3/4"	4 1/2"	9.5	1250'	100	none			
TUBING RECORD					LINER RECORD				
Size none	Depth set in. ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)		
PERFORATION RECORD					ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD				
Number per ft.	Size & type	Depth Interval			Am't. & kind of material used		Depth Interval		
2	1/2" Jet	1193-1203 & 1220-1230			Squeezed perfs w/10 sks cement casing left full of cement. Total cement 116 sacks.				
INITIAL PRODUCTION									
Date of first production none		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)							
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)			
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio			
Disposition of gas (state whether vented, used for fuel or sold):									
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>C. F. Swain, Agent</u> of the <u>Arizona Helium Corporation</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p style="text-align: center;">Date <u>9-19-68</u> Signature <u>C. F. Swain</u></p>									
Permit No. 353					<p style="text-align: center;">STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION</p> <p style="text-align: center;">Well Completion or Recompletion Report and Well Log</p> <p style="text-align: center;">Form No. 4 File One Copy</p>				

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Surface Sands	0	280	Tan to brown surface sands.
Chinle	280	1188	Alternating beds of white to gray sands and various colored shales.
Shinarump	1188	1234	Coarse gray sandstone
Moenkopi	1234	1306 TD	Red to brown shales beds alternating with light light gray sandstone.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD									
Operator Arizona Helium Corporation				Address 3500 North Central Box 14427 Phoenix, Ariz. Suite 218					
Federal, State, or Indian Lease Number, or lessor's name if fee lease. Railway Co. Santa Fe Pacific				Well No. 1		Field & Reservoir Not named			
Location of Well 1650' FNL & 1650' FWL				Sec-Twp-Rge or Block & Survey Sec. 25-T20N-R27E			County Apache		
Application to drill this well was filed in name of Apache Drilling Co.			Has this well ever produced oil or gas no		Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day)		Dry? xx		
Date plugged: 9-13-68			Total depth 1306		Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day)		Water (bbls/day) 00 00 00		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation		Depth interval of each formation		Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement			
No oil or gas						Perfs. in Shinarump			
Shinarump open to well bore				1193-1230		squeezed w/10 sks			
						cement-casing left			
						full of cement. Total			
						used 116 sacks			
CASING RECORD									
Size pipe 7"	Put in well (ft.) 84'	Pulled out (ft.) none	Left in well (ft.) 84'	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes				
				none	none				
4 1/2"	1250	none	1250	none	conventional shoe				
Was well filled with mud-laden fluid, according to regulations? yes				Indicate deepest formation containing fresh water. 430'					
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE									
Name		Address				Direction from this well:			
R. Ted Spurlock		Navajo, Arizona				N - S - E - W			
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.									
Use reverse side for additional detail.									
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the C. F. Swain, Agent of the Arizona Helium Corp. (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.									
Date 9-19-68					Signature				
Permit No. 353					STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10				

APPLICATION TO ABANDON AND

FIELD UN-NAMED
 OPERATOR ARIZONA Helium Corp ADDRESS 3500 N. Central Suite 218 Phoenix Ariz
 Federal, State, or Indian Lease Number None WELL NO. Apache Dwy #1-S.F.
 or Lessor's Name if Fee Lease Apache Pacific Railroad Co. (SFP 9650)
 SURVEY 1650 7N6 and 1650 FW6 - Sec 25-20N-27E SECTION 25 COUNTY Apache
 LOCATION 1650 7N6 and 1650 FW6 - Sec 25-20N-27E

TYPE OF WELL Dry Hole (Oil, Gas or Dry Hole) Wetex Elect Log 1306'
 ALLOWABLE (If Assigned) None TOTAL DEPTH Plug Back T.D-1250
 LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
 GAS None (MCF) DATE OF TEST Jan 1-2-3-1968
 PRODUCING HORIZON None PRODUCING FROM None TO None

1. COMPLETE CASING RECORD

7" Casing to 84'
4 1/2" ✓ 1250'
4 1/2" ✓ Perforated from 1193' to 1203'
and from 1220' to 1230'

2. FULL DETAILS OF PROPOSED PLAN OF WORK

- #1. Leave all casing in hole.
2. Cement squeeze formation thru perforations, and fill 4 1/2" casing from T.D. to surface.
3. Affix abandoned well marker as per #7 Rule 202.
4. BACK fill all pits and clean up location

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS Sept 12-13 - 1968

NAME OF PERSON DOING WORK Drake Well Servicing ADDRESS J.A. Amington, H.M.

CORRESPONDENCE SHOULD BE SENT TO Charles B. Southard,

Name Secretary, Arizona Helium Corp.

Title 3500 N. Central, Suite 218, Phoenix Ariz.

Address 9/11/68

Date 9/11/68

Date Approved 9/11/68
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION

By: John B. Brummett / JLB

Permit No. 353

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies

Form No. 9

May 20, 1971

Memo from W. E. Allen

Memo to Files: #167
#319
#318
#322
#341
#353
#355
#346

Mr. Callen with U.S.F. & G. was in the office this date. He said that his company plans to contact the indemnitors in an effort to have them plug the subject wells. Should they fail to agree to plug the wells, U.S.F.&G. will proceed to plug the wells and then seek redress from the indemnitors through legal action.

March 8, 1971

Memo from W. E. Allen, Director
Enforcement Section

Memo to: Apache Drilling #1 Santa Fe-Crest
SE/4 NW/4 Sec. 25-T20N-R27E
Apache County
Our File #353

This well is plugged and abandoned. However, there are
timbers on location and a mound of dirt that needs to be leveled.

February 11, 1971

From W. E. Allen

Memo to:

Apache Drilling Company Files: #167

318

319

322

355

341

346

353

~~333~~

I met with Mr. Abrahms, the receiver for Arizona Helium Corporation to discuss the wells drilled by Apache Drilling Company and Arizona Helium Corporation and to attempt to secure additional information for our files. Mr. Abrahms was unable to supply any information that we did not have already in our possession. He had no knowledge of the status of any of the wells. He was of the opinion that Tom Hashem had worked out a deal for Eastern Petroleum to plug the subject wells. Abrahms disclaimed any knowledge of the details of this arrangement; and, Mr. Hashem said that there was no monetary arrangements, Eastern just agreed to plug them. If this is the case Eastern would probably end up with the salvage from the plugged wells.

Abrahms was informed that these wells were still under bond; and, that if it was necessary, the Commission could demand the bonding company to plug out the wells. He had the opinion that the bond had been cancelled. I explained to him that this was impossible without approval of the Commission. He was sure that no premium had been paid since Arizona Helium Corporation went into receivership. When Western Helium leased the plant at Navajo from Arizona Helium Corporation the lease was for one year with the provision that if the trial operation proved profitable, Western and Arizona Helium would enter into merger negotiations. Western has an escape clause to enable them to drop the lease prior to its expiration date. Abrahms tells me that Western has notified him that they do not intend to renew the lease. The expiration date is May, 1971. Abrahms further informed me that in order to put the plant into suitable operating condition, an investment of some \$250,000 would be required.

WELL SITE CHECK

By JK
Date 9-27-68

Contractor _____ Person(s) Contacted _____
Spud date _____
Type Rig _____ Rotary _____ Cable _____
Samples _____
Rigs _____
Water Zones _____
Lost Circ. Zones _____
Formation Tops _____
Cores, Logs, DST _____
Crews _____
Present Operations _____
Drilling with Air _____ Mud _____
Size Hole _____
Size Drill Pipe _____
Type Bit _____
No. Bit _____ Drilling Rate _____
Formation _____
Lithology _____

REMARKS, PHOTO, MAP



*also P&A (marker
pipe in place) all
OK*

Contractor Concho Drilling Co.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Arizona Helium Corp.

2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) _____

3. Well Name Apache Drilling #1 Santa Fe-Crest Fee Permit 353

Location SENW

Sec 25 Twp 20N Rge 27E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease SFRR

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugged and abandoned in accordance with rules #201 and #202 of the Oil and Gas Conservation Commission.

8. I hereby certify that the foregoing is true and correct.

Signed Robert B. McHugh Title Leasing Manager Date 27 Sept. 1968

Permit No. 353

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

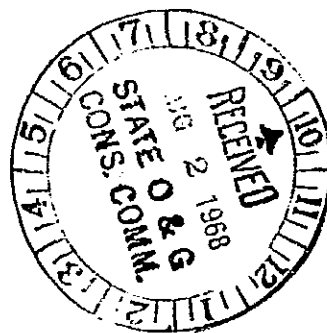
1. Name of Operator Arizona Helium Corp.
 2. OIL WELL ☐ GAS WELL ☒ OTHER ☐ (Specify) _____
 3. Well Name Apache Drilling #1 Santa Fe-Crest Fee
 Location SENW
 Sec. 25 Twp. 20N Rge. 27E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Spurlock-Wetzler
 5. Field or Pool Name _____
 6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

No Change In Status



8. I hereby certify that the foregoing is true and correct.

Signed Glenn B. Fyfe, Hugh Title Leasing Agent Date August 1, 1968 and Aug. 29, 1968

Permit No. 353

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator APACHE DRILLING CO., INC.
 2. OIL WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____
 3. Well Name SANTA FE--CREST #1 FEE
 Location SEW
 Sec. 25 Twp. 20N Rge. 27E County APACHE Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease SANTA FE

5. Field or Pool Name EAST RES NAVAJO SPRINGS

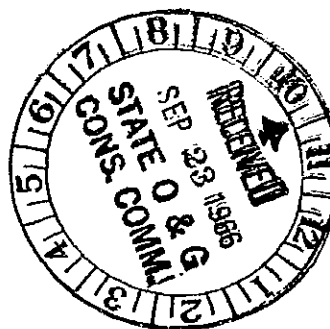
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input checked="" type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>			(OTHER) <u>TESTING</u>	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

WELL DRILLED TO TOTAL DEPTH OF 1286. Set 4½ O.D. J-55 9.50 lb pipe Cemented with 100 sacks. Cement well perforated in chinle sand. Frac. with 60 tons CO₂. Had good blow of gas. Well froze up. It stopped flowing. Ram casing swab recover a small amount of sand and ice. Closed hole in waiting for well to thaw out for further testing.



8. I hereby certify that the foregoing is true and correct.

Signed C. J. Henderson

Title _____

Date _____

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies

Form No. 25

Permit No. _____

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator APACHE DRILLING CO., INC.
 2. OIL WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____
 3. Well Name APACHE DRILLING CO. #1 SANTA FE - CREST
 Location SENW
 Sec. 25 Twp. 20N Rge. 27E County APACHE, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease SANTA FE--CREST

5. Field or Pool Name _____

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
 FRACTURE TREAT ☐ DIRECTIONAL DRILL ☐
 SHOOT OR ACIDIZE ☐ PERFORATE CASING ☐
 REPAIR WELL ☐ CHANGE PLANS ☐
 (OTHER) _____

SUBSEQUENT REPORT OF:

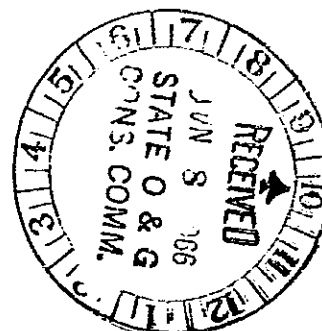
WATER SHUT-OFF ☐ MONTHLY PROGRESS ☐
 FRACTURE TREATMENT ☐ REPAIRING WELL ☐
 SHOOTING OR ACIDIZING ☐ ALTERING CASING ☐
 ABANDONMENT ☐
 (OTHER) _____

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

DRILLING AHEAD AT 1,130 ft. EXPECT TO SET 4½ OD PIPE AT 1,250. CEMENT, PERFORATE, AND FRAC THIS WEEK. I AM WAITING ON SURVEY OR TO MAKE THREE MORE LOCATIONS THE LAST OF THIS WEEK.

CONFIDENTIAL



8. I hereby certify that the foregoing is true and correct.

Signed B. Hill Title President Date 6/7/66

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies

Permit No. 353

Form No. 25

DESIGNATION OF OPERATOR

TO: Oil & Gas Conservation Commission, State of Arizona.

The undersigned is, on the records of the Oil & Gas Conservation Commission, State of Arizona, the holder of that certain oil and gas lease,

No. SFR-7650 dated 15th AUGUST 1966

and hereby designates APACHE DRILLING COMPANY, an Arizona corporation, with offices at 7823 N. 27th Avenue, Phoenix, Arizona, as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to the following acreage:

640 acres in Section 25, Township 20 North, Range 27 East, of Apache County, State of Arizona.

It is understood that this designation of operator does not relieve the Lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the leasee will make full and prompt compliance with all regulations, lease terms or orders of the Oil & Gas Conservation Commission, of the State of Arizona, or its representative.

The Lessee agrees promptly to notify the above named departments of any change in the designated operator.

8/1/66
Date

C. F. Swain
C. F. Swain, dba
CREST OIL COMPANY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER			
APPLICATION TO DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RE-ENTER OLD WELL <input type="checkbox"/>			
NAME OF COMPANY OR OPERATOR APACHE DRILLING CO., INC.		DATE May 20, 1966	
<div style="display: flex; justify-content: space-between;"> Address 7823 North 27th Avenue City Phoenix State Arizona </div>			
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number or name of lessor, if fee lease SANTA FE - CREST OIL		Well number / Elevation (ground) 5786	
Well location and acreage dedicated to the well (give footage from section lines) Section—township—range or block & survey SE1/4 Section 25 Township: 20N Range: 27E (dedication E1/2 NW1/4)			
Field & reservoir (If wildcat, so state) WILDCAT		County APACHE	
Distance, in miles, and direction from nearest town or post office SIX MILES EAST OF NAVAJO			
Nearest distance from proposed location to property or lease line: 1680 FR N/L 1650 FR W/L feet		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: 300 feet	
Proposed depth: 1250		Rotary or cable tools ROTARY Approx. date work will start May 23, 1966	
Number of acres in lease: 640		Number of wells on lease, including this well, completed in or drilling to this reservoir: ONE TWO	
If lease, purchased with one or more wells drilled, from whom purchased: Name CREST OIL Address ALTON, ILLINOIS			
Status and amount of bond 25,000		Organization Report On file ON FILE Filing Fee of \$25.00 Or attached ON FILE Attached	
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) THIS WELL IS TO PRODUCE SANDS ABOVE COCONINO AS THERE IS AT PRESENT PRODUCTION IN THE COCONINO SAND. (Permit 134) HOLD TITE			
*Fill in Proposed Casing Program on reverse side			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Exp. Vice President</u> of the <u>Apache Drilling Co.</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. <div style="text-align: right;"> <u>C. J. Henderson</u> Signature <u>May 20 - 1966</u> Date </div>			
Permit Number: 353 Approval Date: 5-23-66 Approved By: <u>John Vannester</u> Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided. See Instruction on Reverse Side of Form		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill, Deepen or Plug Back and Plat File Two Copies Form No. 3	

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
<div style="display: flex; justify-content: space-between;"> <div style="width: 55%;"> </div> <div style="width: 40%;"> <p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed <u>12-10</u></p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p> </div> </div>	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
7" ID		J 55	0	90	0-90	30
4 1/2" OD	9.5	J 55	0	1250	CIRCULATE	?



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: APACHE DRILLING COMPANY, INC.
(OPERATOR)

to drill a well to be known as

APACHE DRILLING #1 SANTA FE - CREST FEE
(WELL NAME)

located 1680 FNL and 1650 FWL (SE NW)

Section 25 Township 20N Range 27E, Apache County, Arizona.

The E/2NW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 23rd day of May, 19 66.

Issued subject to
receipt of survey
JB

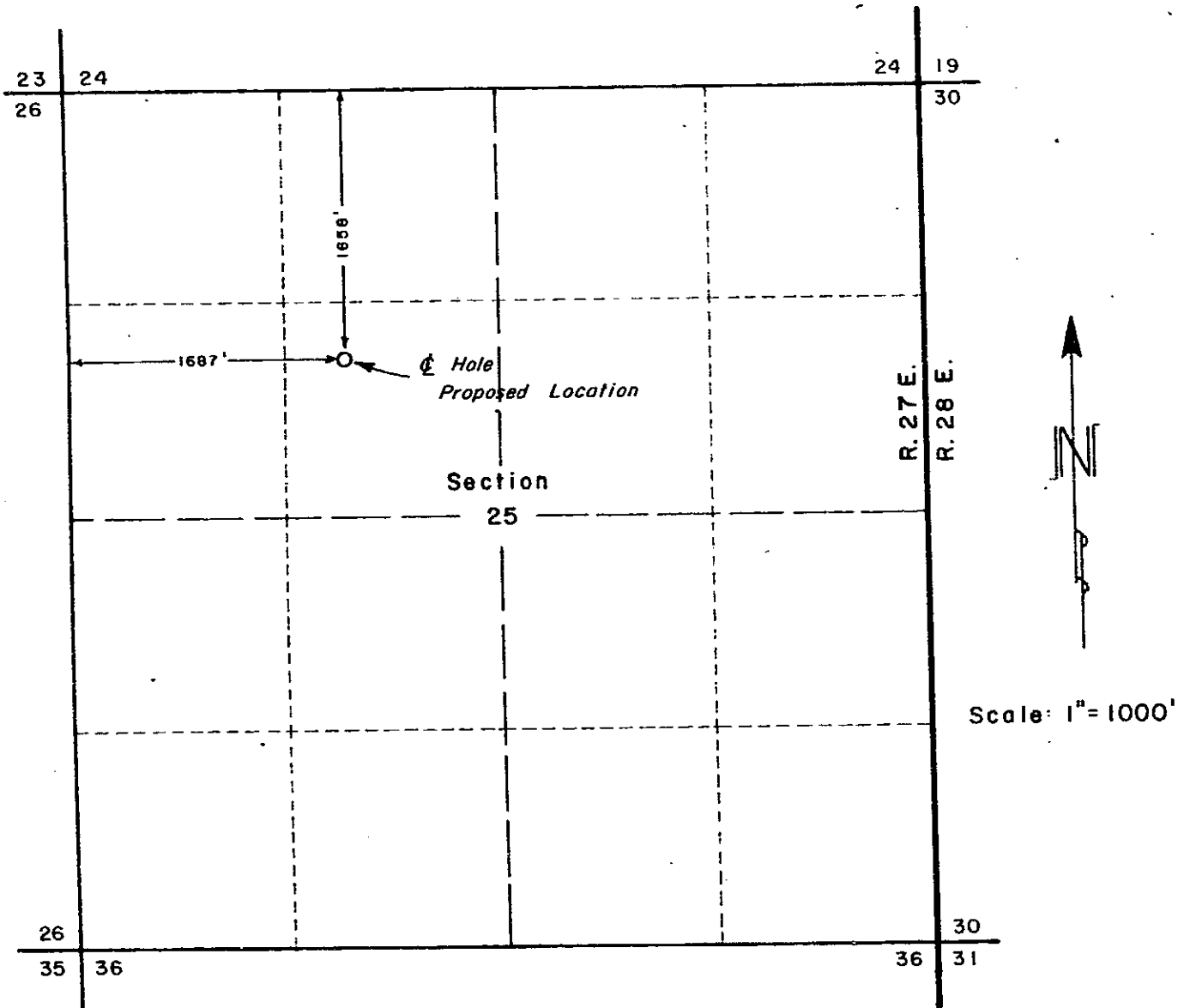
OIL AND GAS CONSERVATION COMMISSION
By John Kannerster
EXECUTIVE SECRETARY

PERMIT N^o 353

RECEIPT NO. 9451

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27



WELL LOCATION: Apache Drilling Co., Santa Fe - Crest - Apache #1.

Located 1658 feet South of the North line and 1687 feet East of the West line of Section 25,
Township 20 North, Range 27 East, Gila & Salt River Meridian.
Apache Co., Arizona
Existing ground elevation determined at 5782 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
Registered Land Surveyor
State of Arizona # 5313



APACHE DRILLING COMPANY
Phoenix, Arizona

WELL LOCATION PLAT
Sec. 25, T.20 N., R.27 E.
Apache Co., Arizona

CLARK-REED & ASSOC.
Durango, Colorado

DATE: June 19, 1966
FILE NO: 66052



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

August 6, 1974

Mr. Bill Montgomery
State of California
Department of Corporations
600 S. Commonwealth Avenue
Los Angeles, California 90005

Re: Aztec Exploration & Development
Anglo-Western Enterprises, Inc.
Apache Drilling Co.

Dear Mr. Montgomery:

In reply to your inquiry dated July 25, 1974, this office can find no record of Anglo-Western Enterprises, Inc., or Aztec Exploration & Development having ever had lease holdings or conducted operations of any kind within the State.

Apache Drilling Company has operated within the State. According to our records they have drilled six wells in Apache County. These wells were ostensibly drilled as helium tests. This Commission forced the plugging of five of these wells in 1971. The sixth well had previously been plugged. The following is a list of each of the wells drilled by Apache Drilling.

Apache Drilling #1 Santa Fe Crest Fee, SE/NW Sec 25-T20N-R27E
Total Depth 1,306'

#1 Spurlock-Wetzler, SW/NE Sec 23-T19N-R26E, Total Depth 1,098'

#1-22 State, NW/SE Sec 22-T19N-R26E, Total Depth 1,701'

#2 Spurlock-Wetzler Fee, NE/SE Sec 27-T18N-R26E, Total Depth 1,135'

#3 Spurlock-Wetzler, SE/NW Sec 25-T18N-R26E, Total Depth 1,234'

#13 Spurlock-Wetzler Fee, SW/NE Sec 13-T18N-R26E, Total Depth 1,245'

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/r1b

353

STATE OF CALIFORNIA

RONALD REAGAN, Governor

DEPARTMENT OF CORPORATIONS

BRIAN R. VAN CAMP
Commissioner



Los Angeles, California
July 25, 1974

IN REPLY REFER TO:

FILE NO. _____

Arizona Oil and Gas Conservation Committee
4515 North 7th Avenue
Phoenix, Arizona., 95013

Re: AZTEC EXPLORATION & DEVELOPMENT
ANGLO-WESTERN ENTERPRISES, INC.
APACHE DRILLING CO.

Dear Sir:

This department is conducting a preliminary investigation into the operation of the above listed corporations.

I was told that your dept. might have records as to whether any of these corporations hold title to any land approximately 2½ miles north of Florence.

I especially need to know whether any of these corporations have drilled for oil, location of the wells, how deep they drilled, when drilled and whether or not they were successful.

Any information you can supply me with, in regard to these three corporations would be greatly appreciated.

Sincerely,

Bill Montgomery

BILL MONTGOMERY
Investigator

BM:pc

RECEIVED

JUL 29 1974

O & G CONS. COMM.

353



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

May 19, 1971

Mr. Powell Gillenwater
2304 First Federal Savings Building
3003 North Central Avenue
Phoenix, Arizona 85012

Re: Arizona Helium Corporation

Dear Mr. Gillenwater:

Attached is the information available to us that may be of some interest to you.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA:jd
Enc.

List of wells involved
Arizona Helium Corp. Bond No. 22651-13-955-65
Apache Drilling Co. Bond No. 22651-13-955-65
Well Completion Report on Permit #353
Well Completion Report on Permit 167

353

NAMES AND LOCATIONS OF WELLS

Permit #167 - Ram Oil Company State #1-14 SW SW Sec. 14-T19N-R26E
Permit #318 - Apache Drilling #1 Spurlock Wetzler Fee
SW NE Sec. 23-T19N-R26E
Permit #322 - Apache Drilling #2 Spurlock Wetzler Fee
NE SE Sec. 27-T18N-R26E
Permit #341 - Apache Drilling #3 Spurlock Wetzler
SE NW Sec. 25-T18N-R26E
Permit #355 - Apache Drilling #13 Spurlock Wetzler Fee
SW NE Sec. 13-T18N-R26E
Permit #319 - Apache Drilling #1 State NE SE Sec. 22-T19N-R26E
Permit #346 - Apache Drilling #1-22 State NW SE Sec. 22-T19N-R26E
Permit #353 - Apache Drilling #1 Santa Fe SE NW Sec. 25-T20N-R27E

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1824 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

August 5, 1970

Mr. Jack Pearson
Bond Department
United States Fidelity & Guaranty
Company
3605 North 7th Avenue
Phoenix, Arizona 85013

Re: Bond No. 22651-13-955-65
Arizona Helium Corporation

Dear Mr. Pearson:

This is to advise you that according to our records there is a total of eight wells covered under the above referenced bond. Seven of these wells are temporarily abandoned and another has been reportedly plugged and abandoned.

These wells aren't presently in violation; however, until such time as all wells are plugged and abandoned, the bond covering these wells cannot be released.

Should you need further information, please advise.

Very truly yours,

W. E. Allen
Director of Enforcement Section

WEA:jd

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Ariz. Helium -

- 167 RAM Oil Co. - SEC 14-19N-26E Shut in Prod.
bse exp. 3-22-69 better to barren rd - P.D. drilled - No Prod.
- 234 Eastern Ancon - 21st Sec 14E - 21-20-28 Eastern exp. Eastern Drilled.
under Ariz Hel. Bond - Shut in -
- 318 Apache Oil Co. #1 Spurlock - Wetzlar Fe. SEC 23-19-26 T.A.
Perm. Granted to Cont. as T.P. Status 4/1 7-31-69.
- 322 Apache Oil Co. #2 Spurlock. Wetzlar Fe. 27-18-26 T.A. No Prod
string - Eastern apparently to Plug rd 8-27-69
- 341 Apache Oil Co. #3 Spurlock - Wetzlar 25-18-26 T.A.
Same as above except 2 1/2" at 910'
- 346 Apache Oil Co. #1 - 22-20-19-26 T.A.
bse
- 362 Apache Oil Co. #1 - 22-20-20 T.A. 9-68
SEC 11-20-20 W.P.A. 7-16-70
- 355 Apache Oil Co. #13 - 22-20-20 T.A.
Eastern apparently to Plug rd 8-27-69.



WPA

UNITED STATES FIDELITY AND GUARANTY COMPANY

PHOENIX OFFICE

3605 N. 7TH AVENUE, PHOENIX, ARIZONA 85013

TELEPHONE: 602/277-4411

T. D. GIBSON
MANAGER

July 22, 1970

Mr. John Bannister
Arizona Oil & Gas Conservation Commission
1624 West Adams St.
Phoenix, Arizona 85007

Re: Bond No. 22651-13-955-65
Arizona Helium Corp.

Dear Mr. Bannister;

Please advise all that must be done for this bond
to be cancelled.

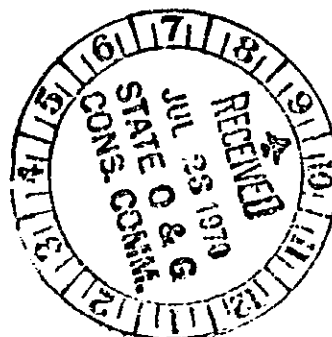
Thank you for your assistance.

Best Regards,

Jack

Jack Pearson
Bond Department

JP/bs



353

U. S. F. & G.

PHONE: 325-9232

641 WEST BROADWAY

FOUR CORNERS SAMPLE CUT ASSOCIATION

P. O. BOX 899
FARMINGTON, NEW MEXICO 87401

December 3, 1968

Hello Jim:

This is a list of the Arizona wells which we have in the cut at present time.

Arkla Core test # 56 ✓
No Location

El Paso #1-B La Posa
10-7N-19W
Yuma Co.

Skelly #1 Navajo Q
18-38N-30E
Apache Co

Texaco #1 Navajo BF
26-6N-7W
Apache Co.

Apache #1 Santa Fe Crest
25-20N-27E
Apache Co.

Pennzoil #1 Hopi-11
11-29N-14W
Coconino Co.

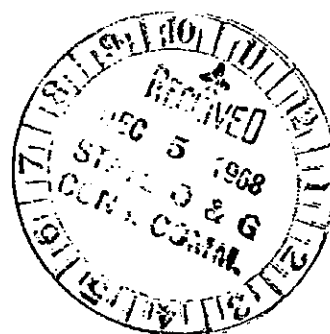
Buttes Oil & Gas #1-14 Navajo Tite
14-7N-9W
Apache Co.

Buttes Oil & Gas #1-23 Navajo Tite
23-37N-27E
Apache Co.

The following two wells have been cut or in the process

Buttes Oil & Gas #1-25 Navajo
25-35N-28E
Apache Co.

G.B. Cree #1 Hunt
31-18N-20W
Navajo Co.



ONE 325-9232

641 WEST BROADWAY

FOUR CORNERS SAMPLE CUT ASSOCIATION

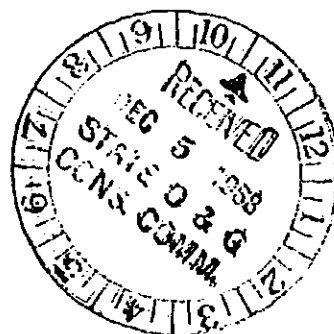
P. O. BOX 899
FARMINGTON, NEW MEXICO 87401

As for the list of wells which have been cut through the years I will see what I can come up with as soon as possible and send to you.

Again, let me say will appreciate any help you can give me in getting the Arizona wells to the cut, and if I can be of assistance to you let me know.

Sincerely,

Jo Ratcliff



Memo: File
From: J. Lambert

9-11-68
Time: 10:40 a.m.

Re: Apache Drilling #1 Santa Fe - Crest Fee
T20N, R27E, G & SRM
Sec. 25: SE/4 NW/4
Apache County, Arizona
Permit #353

Received letter and application to abandon and plug captioned well from Doctor Swain. He requested this office call him should the application be unacceptable. Instructed Doctor Swain to have Form 9 completed by Arizona Helium Corporation, operator, and instructed him that Item 2 of his proposed plugging procedure should read "from total depth up to 1140 feet". Advised Doctor Swain that we required a 50 foot plug or greater from the point of perforation. We require also that the hole be filled with heavy mud from 1140 feet to point of surface plug delineated in Item 3. He inquired as to whether we would approve a cement plug from total depth to surface explaining that the economics of the situation might make the use of the heavy mud interval economically unfeasible. Indicated that we would accept cement plug from total depth to surface if such were to his best interests.

He advised that he would contact Arizona Helium, dictate a corrected application to abandon and plug, and that it would be delivered to this office for approval today. I told him that Mr. Clement had already contacted us this morning and that Mr. Clement could clear with this office later today or tomorrow as to whether final approval as to the plugging procedure had been secured.

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C. F. SWAIN

Crest
OIL COMPANY

P. O. BOX 57
ALTON, ILLINOIS 62002

PHONE 462-5346

September 9, 1968

John Bannister, Executive Secretary
Arizona Oil & Gas Conservation Commission
1624 West Adams Room 202
Phoenix, Arizona 85007

Dear Mr. Bannister:

Attached please find my application to Abandon and Plug the Apache Drilling Company #1 Santa Fe Crest. If you find said application incomplete or unacceptable, please call me collect as quickly as possible.

If application to abandon and plug the above well is approved, and also the application submitted on September 6 covering the Crest Santa Fe #8 well, please send notification of said approval as follows:

E. A. Clement, Geologist
Crest Oil Company
c/o R. Ted Spurlock
Navajo, Arizona

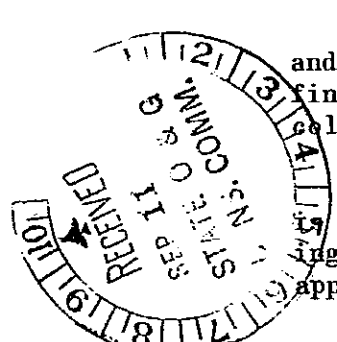
The reason for the above request is that the plugging of the two wells is scheduled to commence Monday A. M. September 16, and both Mr. Clement and myself will be leaving our home bases probably by Saturday the 14th. Thus also the reason for my request that you call me as quickly as possible if plugging applications are not approved.

Sincerely yours,

C. F. Swain
C. F. Swain
Crest Oil Company

CFS:fs

44
353



not operation
S.E. Aring Helin

APPLICATION TO ABANDON AND PLUG

FIELD Unnamed
 OPERATOR C. F. Swain, D/b/a Crest Oil Co. ADDRESS P. O. Box 57 Alton, Ill. 62002
 Federal, State, or Indian Lease Number
 or Lessor's Name if Fee Lease Santa Fe Pacific Railroad Company (SFP-9650) WELL NO. Apache Drlg #1 S.F.
 SURVEY _____ SECTION 25 COUNTY Apache
 LOCATION 1650' FNL and 1650' FWL Section 25-20N-27E

TYPE OF WELL Dry Hole (Oil, Gas or Dry Hole) Welex Elec Log: 1306'
TOTAL DEPTH
Plug Back T. D.: 1250'
 ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
 GAS None (MCF) DATE OF TEST June 1, 2, 3, 1968
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD

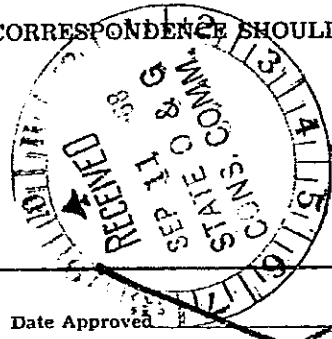
7" casing @ 84'
4-1/2" csg @ 1250'
4-1/2" csg perforated from 1193' to 1203' and
from 1220 to 1230'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK

1. Leave all casing in the hole.
2. Cement squeeze formation through perforations, and cement plug in 4-1/2" csg from T. D. up to 1150' Heavy Mud
3. Cement plug in top of 4-1/2" csg from 50' to surface.
4. Affix abandoned well marker as per #7 rule 202.
5. Backfill all pits and clean up location.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? YES If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 9/16 or 9/17 1968
 NAME OF PERSON DOING WORK Drake Well Servicing Co. ADDRESS Farmington, New Mexico
 CORRESPONDENCE SHOULD BE SENT TO C. F. Swain, d/b/a Crest Oil Company
 Name _____
 Title Owner
 Address P. O. Box 57 Alton, Illinois 62002
 Date 9/7/68



Date Approved _____
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION

By: _____

Permit No. _____

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies

Form No. 9

353

Memo: File
From: J. Lambert

9-11-68
Time: 9:30 a.m.

Re: Apache Drilling #1 Santa Fe - Crest Fee
T20N, R27E, G & SRM
Sec.25: SE/4 NW/4
Apache County, Arizona
Permit #353

Ed Clement, Farmington, New Mexico, called this date. He identified himself as the party who would plug the captioned well on behalf of Crest Oil Company--Doctor Swain. He was informed that to date we had not received an application to plug and abandon the captioned well, and that this Form 9 must be submitted by Arizona Helium. He indicated that possibly Arizona Helium would present a program, and I informed him that our geologist would study such a program and give verbal approval if the program presented was satisfactory to this office. Ed Clement is plugging the Crest Oil Company Santa Fe #8 and wishes to do both jobs at the same time.

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OIL COMPANY

PHOENIX, ARIZONA

REGISTERED MAIL

SEP 5 1968

September 4, 1968

John Bannister, Executive Secretary
Arizona Oil & Gas Conservation Commission
P.O. Box 202
Phoenix, Arizona 85007

Dear Mr. Bannister:

As indicated by enclosed photocopy, I have applied for a Blanket Bond to cover anticipated drilling program being developed between Crest Oil Company and Arizona Helium Corporation, so please be on the lookout for same and hold pending receipt of application to drill a new well in Section 25, T20N, R27E, Apache County.

The location for the new well should have been surveyed and staked by now, and as soon as I receive the plats, I will forward them along with permit to drill application.

#134 At the same time I plan to forward application to Plug and Abandon the Crest Santa Fe #8 well in the same Section; as this well, after being extensively tested and analyzed a number of times by supposed competent personnel and pronounced commercially productive and ready to go on stream, has developed serious water and sand invasion problems and will not deliver. This well was completed in the Coconino sandstone.

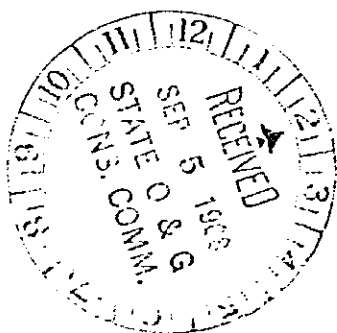
#453 We will also forward application to Plug and Abandon the Apache Drilling Company Santa Fe #1, a Shinarump test drilled and completion attempted, approximately 500 feet north of the Crest Santa Fe #8 well. However, as this well was drilled by Apache, and permit and various records retained by them, the application to Plug and Abandon this well will no doubt be forwarded by Arizona Helium Corporation.

Any comments you may have regarding above will be appreciated.

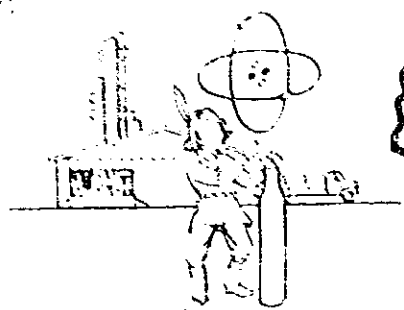
Sincerely yours,

C. F. Swain
C. F. Swain
Crest Oil Company

CFS:fs



353



ARIZONA *Helium* CORP.

5 September 1968

Arizona Oil and Gas Commission
State of Arizona
1624 West Adams Bldg. 202
Phoenix, Arizona 85007

Attn: John Bannister

Dear Mr. Bannister:

This is to advise you that through the merger of Apache Drilling Co., Inc. into Arizona Helium Corp., we have acquired all the wells that were drilled by Apache Drilling Co., Inc. namely:

Apache Drilling #1 Spurlock-Wetzler Fee
SWNE 23-19N-26E Apache County, Permit #318

Apache Drilling #2 Spurlock-Wetzler Fee
NESE 23-18N-26E Apache County, Permit #322

Apache Drilling #3 Spurlock-Wetzler Fee
SENE 25-18N-26E Apache County, Permit #341

Apache Drilling #1-22 State
NWSE 22-19N-26E Apache County, Permit #346

Apache Drilling #1 Santa-Fe-Crest Fee
SENE 25-20N-27E Apache County, Permit #353

Apache Drilling #13 Spurlock-Wetzler Fee
SWNE 13-18N-26E Apache County, Permit #355.

Sincerely,

Charles B. Southard
Secretary

CBS:mf

RECEIVED
SEP 6
STATE O & G
CONS. COMM.

353



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

July 25, 1968

Arizona Helium Corp.
P.O. Box 14427
Phoenix, Arizona 85031

Attention: Mr. R.H. McDonald, President

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E Apache County, Permit 355

Apache Drilling #3 Spurlock-Wetzler
SE NW 25-18N-26E Apache County, Permit 341

Gentlemen:

In reply to your request of July 22, 1968, this Commission does grant permission to continue captioned wells in a temporary abandoned status to expire July 31, 1969.

As a condition of this status you are to submit monthly reports to cover each of these wells, stating the current status and/or detailing any operations conducted upon any of these wells. This Commission is to be currently informed at all times as to the status of any well.

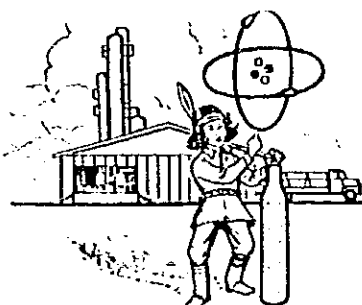
It is requested that when any operations are commenced this Commission be notified.

Very truly yours,

John Bannister
Executive Secretary
mr

7-68 ✓	1-69
8-68 ✓	2-69
9-68	3-69
10-68	4-69
11-68	5-69
12-68	6-69
	7-69

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ARIZONA Helium CORP.

P.O. BOX 14437 PHOENIX, ARIZONA 85001

22 July 1968

Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Attn: Mr. John Bannister, Executive Secretary

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E Apache County, Permit 318

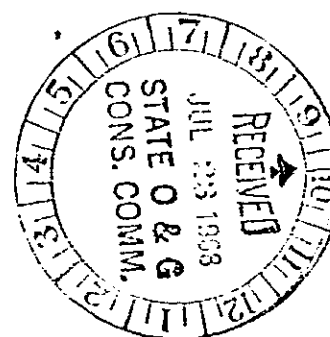
Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E Apache County, Permit 355

Apache Drilling #3 Spurlock-Wetzler
SE NW 25-18N-26E Apache County, Permit 341



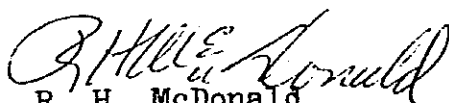
Dear Mr. Bannister:

We have recently completed the merger of Apache Drilling Co., Inc. into the Arizona Helium Corp. and find that scattered records and technical difficulties makes it virtually impossible to come to any definite conclusions about the above captioned wells at this writing. However, we are prepared to issue monthly reports of activities and respectfully request an additional temporarily abandoned status of at least a year.

- 2 -

During this period of time we will determine a drilling program and examine fully the economics of the above captioned wells and will fully advise you as soon as possible.

Very truly yours,


R. H. McDonald
President

RHM:mf

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OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

April 18, 1968

Arizona Helium Corp.
P.O. Box 14427
Phoenix, Arizona 85031

Attention: Mr. R.H. McDonald, President

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E Apache County, Permit 346

Apache Drilling #1, Santa Fe-Crest Fee
SE NW 25-20N-27E Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E Apache County, Permit 355

Apache Drilling #3 Spurlock-Wetzler
SE NW 25-18N-26E Apache County, Permit 341

Gentlemen:

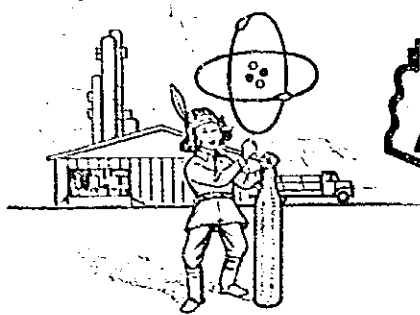
In reply to your letter of April 15, 1968, an extension is granted to continue captioned wells in a temporarily abandoned status until July 31, 1968.

Your letter of April 15 further stated a merger was underway between Arizona Helium Corp. and Apache Drilling Co. Inc and that decisions concerning these wells should be made by the officers. It is felt that the period to July 31, 1968 is ample and that your plans will be detailed in writing to this Commission as soon as possible.

Very truly yours,

John Bannister
Executive Secretary
mr

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ARIZONA Helium CORP.

P.O. BOX 14427 • PHOENIX, ARIZONA 85003

15 April 1968

Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Attn: Mr. John Bannister, Executive Secretary

Re: Letter dated 10 April 1968
Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E, Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E Apache County, Permit 355

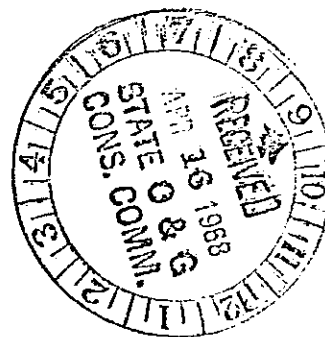
Apache Drilling #3 Spurlock-Wetzler
SE NW 25-18N-26E Apache County, Permit 341

Dear Mr. Bannister:

Your letter of 10 April 1968 to W. E. Johnson, Apache Drilling Co., Inc. regarding the status of wells has been forwarded to me for reply.

In view of the fact that a proposed merger between Apache Drilling and Arizona Helium Corp. is underway and should be completed within thirty days, we are of the opinion that all decisions regarding Apache Drilling Co. wells should be made by the officers of Arizona Helium.

*grant extension
until 7-31-68
JB*



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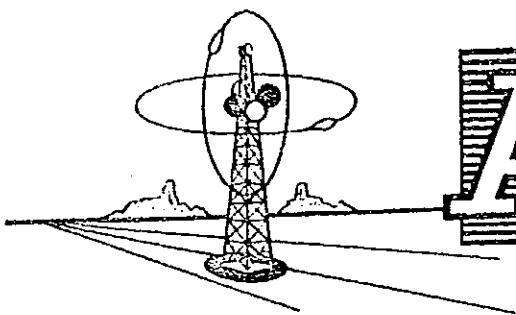
We respectfully request a 90 day additional temporarily abandonment to allow us sufficient time to properly evaluate the status of all the above mentioned wells.

Very truly yours,

R. H. McDonald

R. H. McDonald
President

RHM:mf



APACHE *Drilling Co., Inc.*

50 GICONDA WAY
CASA ADOBES PLAZA
TUCSON, ARIZONA 85704

April 12, 1968

Mr. John Bannister, Ex. Sec.
Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Dear John:

In reply to your letter of April 10th, I am forwarding all correspondence to Arizona Helium for handling due to the nearness of the pending merger. They have your letter regarding the well handling and I will send this last one on to Dick. I *will* suggest that he get in touch with you at the earliest possible time.

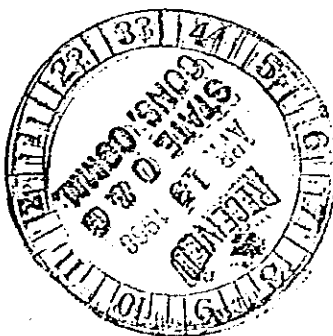
This is probably my "swan song" letter for I will not be continuing on with the company. I do want you to know that I have enjoyed knowing you and appreciate you and your capacity to the fullest. I trust that we may renew our acquaintance at every opportunity. Best of luck.

Most sincerely,

Apache Drilling Company, Inc.

Bill

William E. Johnson
President



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April 10, 1968

Apache Drilling Co. Inc.
50 Giaconda Way
Tucson, Arizona 85704

Attention: Mr. W.E. Johnson, President

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E, Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E Apache County, Permit 355

Apache Drilling #3 Spurlock-Wetzler
SE NW 25-18N-26E Apache County, Permit 341

Gentlemen:

To date we have had no reply to our letters of March 13, 1968 in which we requested that you inform this Commission concerning your plans for all of the captioned wells.

As you are aware, if operations have cease a well must be plugged and abandoned unless written permission is granted to temporarily abandon a well for good and sufficient reason (Rule 202.B). The temporarily abandoned period has long expired.

If we do not hear from you immediately outlining your plans to resume in the near future your operations on these wells, we have no alternative but to order these wells plugged. It is the desire of this Commission to cooperate; however, our rules and regulations must be complied with.

Very truly yours,

John Bannister
Executive Secretary
mr

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March 13, 1968

Apache Drilling Co. Inc.
50 Giacunda Way
Tucson, Arizona 85704

Attention: Mr. W.E. Johnson, President

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E, Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E, Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E, Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E, Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E, Apache County, Permit 355

Gentlemen:

Captioned wells have been carried in a temporarily abandoned status, the #1 and #2 Spurlock-Wetzler since March, 1966 and the others since shortly thereafter. By our letter of September 29, 1967 an extension of this status was granted to expire February 28, 1968.

It is necessary at this time that this Commission be informed as to your plans concerning these wells.

It is the desire of this Commission to cooperate in any manner we may to avoid undue hardship to an operator. May we hear from you at your earliest convenience.

Very truly yours,

John Baanister
Executive Secretary
mr

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September 29, 1967

Apache Drilling Co., Inc.
3440 N. 16th St., Suite 10
Phoenix, Arizona 85017

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E, Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 23-18N-26E, Apache County, Permit 322

Apache Drilling #1-22 State
NW SE 22-19N-26E, Apache County, Permit 346

Apache Drilling #1 Santa Fe - Crest Fee
SE NW 25-20N-27E, Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E, Apache County, Permit 355

Gentlemen:

Receipt of your letter of September 25, 1967 requesting an additional six months extension for the temporarily abandoned status of the captioned wells is hereby acknowledged.

Please be advised that this request is hereby granted. This extension will expire February 28, 1967.

Very truly yours,

John Bannister
Executive Secretary
BT

JACK WILLIAMS
GOVERNOR
LYNN LOCKHART
CHAIRMAN
LUCIEN B. OWENS
VICE CHAIRMAN
HIRAM S. CORBETT
MEMBER
GEORGE T. SILER
MEMBER
KENNETH G. BENTSON
MEMBER

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1024 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

JOHN BARNHART
EXECUTIVE SECRETARY
J. R. SCURLOCK
PETROLEUM GEOLOGIST

July 10, 1967

Apache Drilling Co., Inc.
3440 N. 16th St., Suite 10
Phoenix, Arizona 85016

Attention: Mr. C.T. Henderson

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E, Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 27-18N-26E, Apache County, Permit 322

Apache Drilling #3 Spurlock-Wetzler Fee
SE NW 25-18N-26E, Apache County, Permit 341

Apache Drilling #1-22 State
NW SE 22-19N-26E, Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest
SE NW 25-20N-27E, Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E, Apache County, Permit 355

Gentlemen:

Attached please find Directive 1-77 adopted during the Commission's meeting of June 21, 1967.

The effect of this directive will be to remove all wells in temporarily abandoned status prior to June 21, 1967 from the status of confidential as of December 31, 1967.

All obligations owed to this Commission concerning the filing of logs, reports, samples, will be due within the schedules as set forth in the rules and Regulations from July 1, 1967. Of course an application to plug and plugging report will not

Apache Drilling Co., Inc.
July 10, 1967
Page 2

not be needed at this time. In lieu of our Form 4, Well Completion Report, it will be necessary that you file a status report covering the complete history of the well to the date of its temporary abandonment.

The temporary abandoned status granted on February 28, 1967 does expire August 30, 1967

Should you have any questions concerning this directive or this letter, please advise this office at your earliest convenience.

Very truly yours,

John Bannister
Executive Secretary

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GOVERNOR

LYNN LOCKHART
CHAIRMAN

ORME LEWIS
VICE CHAIRMAN

HIRAM S. CORBETT
MEMBER

LUCIEN B. OWENS
MEMBER

GEORGE T. SILER
MEMBER



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

ROOM 202

1624 WEST ADAMS

Phoenix, Arizona 85007

PHONE: 271-5161

JOHN BANNISTER
EXECUTIVE SECRETARY
J. R. SCURLOCK
PETROLEUM GEOLOGIST

February 28, 1967

Apache Drilling Co., Inc.
3440 N. 16th St., Suite 10
Phoenix, Arizona 85016

Attention: Mr. C.T. Henderson, Vice-President

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E, Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 27-18N-26E, Apache County, Permit 322

Apache Drilling #3 Spurlock-Wetzler Fee
SE NW 25-18N-26E, Apache County, Permit 341

Apache Drilling #1-22 State
NW SE 22-19N-26E, Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest
SE NW 25-20N-27E, Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E, Apache County, Permit 355

Gentlemen:

In reply to your request of February 21, 1967, this Commission hereby grants permission to continue these wells in a temporarily abandoned status until August 30, 1967.

We must be notified immediately upon the commencement of any work on any one of these wells.

Very truly yours,

John Bannister
Executive Secretary
JB

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SAMUEL P. GODDARD
GOVERNOR

LYNN LOCKHART
CHAIRMAN

ORME LEWIS
VICE CHAIRMAN

HIRAM S. CORBETT
MEMBER

LUCIEN B. OWENS
MEMBER

GEORGE T. SILER
MEMBER



OFFICE OF
Oil and Gas Conservation Commission

STATE OF ARIZONA

ROOM 202
1624 WEST ADAMS

Phoenix, Arizona 85007

PHONE: 271-5161

JOHN BANNISTER
EXECUTIVE SECRETARY

J. R. SCURLOCK
PETROLEUM GEOLOGIST

September 27, 1966

Apache Drilling Co., Inc.
P.O. Box 11625
Phoenix, Arizona 85017

Attention: Mr. C.T. Henderson

Re: Apache Drilling #1 Spurlock-Wetzler Fee
SW NE 23-19N-26E, Apache County, Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee
NE SE 27-18N-26E, Apache County, Permit 322

Apache Drilling #3 Spurlock-Wetzler Fee
SE NW 25-18N-26E, Apache County, Permit 341

Apache Drilling #1-22 State
NW SE 22-19N-26E, Apache County, Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E, Apache County, Permit 353

Apache Drilling #13 Spurlock-Wetzler Fee
SW NE 13-18N-26E, Apache County, Permit 355

Gentlemen:

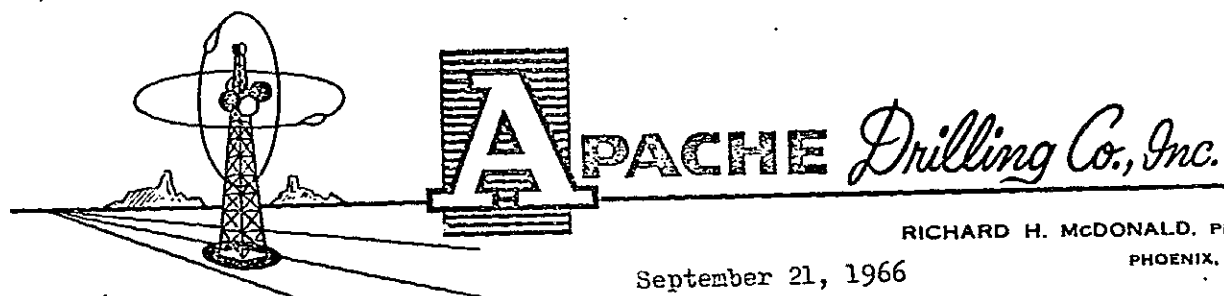
This will acknowledge receipt of your letter of September 21, 1966. You are hereby advised that Apache Drilling Company, Inc. is hereby granted permission to temporarily abandon captioned wells until February 1, 1966.

As you know, this office should be kept currently informed as to the status of each well. A supply of Form 25, Sundry Notices, is enclosed for your convenience. Too, we must be notified immediately upon the commencement of any work on any one of these wells.

Very truly yours,

John Bannister
Executive Secretary
mj
enc

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RICHARD H. McDONALD, PRESIDENT
PHOENIX, ARIZONA

September 21, 1966

Oil and Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. John Bannister, Executive Secretary

Dear Mr. Bannister:

I apologize for the delay in filing the reports as requested in your letter of September 7, 1966.

Enclosed you will find the forms requested. In addition, we would like to request a six month temporary abandonment from September 1, 1966 to February 1, 1967 of the following wells in order to complete our engineering evaluation.

- | | |
|---------------|---------------|
| 1. Permit 318 | 2. Permit 322 |
| 3. Permit 341 | 4. Permit 346 |
| 5. Permit 353 | |

Thank you for your cooperation in this matter.

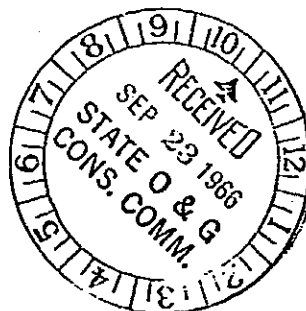
Very truly yours,

APACHE DRILLING CO., INC.

C. T. Henderson

C. T. Henderson

Enclosures



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September 7, 1966

Apache Drilling Co., Inc.
7823 N. 27th Avenue
Phoenix, Arizona 85017

Attention: Mr. Richard McDonald, President

Re: Apache Drilling #1 Spurlock-Watsler Fee
SW NE 23-19N-26E, Apache County
Permit 318

Apache Drilling #2 Spurlock-Watsler Fee
NE SE 27-18N-26E, Apache County
Permit 322

Apache Drilling #3 Spurlock-Watsler Fee
SE NW 23-18N-26E, Apache County
Permit 341

Apache Drilling #1-22 State
NW SE 22-18N-26E, Apache County
Permit 346

Apache Drilling #1 Santa Fe-Crest Fee
SE NW 23-20N-27E, Apache County
Permit 353

Apache Drilling #13 Spurlock-Watsler Fee
SW NE 13-18N-26E, Apache County
Permit 355

Gentlemen:

I would remind that an extension was granted you by this Commission until September 1, 1966 in which time to commence additional work on the #1, #2, and #3 Spurlock-Watsler wells. Being aware of your plant situation, I would remind you that additional work must be resumed or an immediate application for an extension of the permit must be submitted.

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Apache Drilling Co., Inc.
September 7, 1966
Page 2

On the #1-12 State, we have received no report or information since June 7, 1966, at which time you advised us that completion information on this well would be filed in the near future. Will you please take steps to bring yourself into compliance with the Rules and Regulations on this well. A progress report, and if necessary, a request for extension of time, should be filed.

✓ As to the #1 Santa Fe-Grant Fee, again we have had no report on this since June 7, 1966 and our comments as to the #1-12 State apply here also.

As to the #13 Spurlock-Wateler Fee, we have had absolutely no report since the permit was issued on June 22, 1966. Will you please immediately file a progress report, and if it applies, an application for extension in connection with this well.

You are urged to bear in mind extension dates and progress reports on all your activities. While it is the intention of this office to be as cooperative as possible with all operators within the State, it is not actually part of our duty to continually remind you of your obligations to this Commission.

Very truly yours,

John Bannister
Executive Secretary
MB

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June 1, 1966

Apache Drilling Company Inc.
7823 N. 27th Avenue
Phoenix, Arizona

Attention: Mr. Richard McDonald

Re: Apache Drilling #1 Spurlock-Wetzler Fee well
SW NE 23-19N-26E, Apache County
Permit 318

Apache Drilling #2 Spurlock-Wetzler Fee well
NE SE 27-18N-26E, Apache County
Permit 322

Apache Drilling #3 Spurlock-Wetzler Fee well
SE NW 25-18N-26E, Apache County
Permit 341

Apache Drilling #1-22 State well
NW SE 22-19N-26E, Apache County
Permit 346

Apache Drilling Co. #1 Santa Fe-Crest Fee well
SE NW 25-20N-27E, Apache County
Permit 353

Gentlemen:

AS to the first two of the captioned wells, i.e., the #1 and #2 Spurlock-Wetzler Fee, this Commission has granted permission to temporarily abandon these wells until September 1, 1966. Permission to abandon the #3 Spurlock-Wetzler Fee was granted to expire June 11, 1966.

Our purpose is to call these dates to your attention in order that this Commission may be kept advised of your intended actions and in order that necessary permissions may be requested.

As to the #1-22 State, we have had no reports concerning the activity on this well since April 18, 1966. Will you please immedi-

Apache Drilling Co. Inc.
June 1, 1966
Page 2

ately file a Sundry Notice bringing us up to date on your actions since your last report.

As to the #1 Santa Fe Fee-Crest, the conditional permit from this Commission was issued on May 23, 1966. To date the survey of the location of this well has not been filed, nor has any report as the activity conducted by you on this location been filed. Will you please send this office at your earliest convenience the survey and a Sundry Notice as to your activities.

Should you have any question concerning this letter, will you contact this office at once.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: Mr. Joe B. Barrett
1121 Del Webb Bldg.
3800 N. Central
Phoenix, Arizona 85012

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May 23, 1966

Apache Drilling Co., Inc.
7823 North 27th Avenue
Phoenix, Arizona

Attention: Mr. Richard McDonald

Re: Apache Drilling #1 Santa Fe-Crest Fee
SE NW 25-20N-27E, Apache County
Permit 353

Gentlemen:

Attached hereto please find Permit to Drill #353, together with receipt #9451 covering the filing fee, and an approved copy of your application.

Please be advised that this permit is being issued subject to the following:

- (1) Receipt of a survey of the exact location of the well
- (2) That this well does not go to or penetrate the Coconino sand underlying said location. As you are aware, there is an existing well owned by Crest Oil Company at approximately the same location, which well is capable of producing from the Coconino sands. Consequently, as above pointed out, this well must not penetrate the said Coconino sand.

You will note that this office has designated the east half of the northwest quarter as the acreage dedicated to this well.

Should you have any questions will you please advise.

Very truly yours,

John Bannister
Executive Secretary
mr
enc